

CURRICULUM VITAE

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PERSONAL INFORMATION

Birthdate	March 26, 1936
Birthplace	Shawinigan, Québec, Canada
Citizenship	Canadian
Marital Status	Married, Wife: Micheline Ruel
Daughters	Marie and Lyne
Languages	French, English

EDUCATION

1969	CSPQ (Endocrinology)	Corporation Professionnelle des Médecins du Québec
1962	M.Sc.	Department of Experimental Medicine McGill University
1960	M.D. (Cum Laude)	Faculty of Medicine Université de Montréal
1955	B.A. (Cum Laude)	Séminaire de Joliette

POST-GRADUATE STUDIES

1964-1967	Assistant Biochemist Dr. C.H. Li	Hormone Research Laboratory University of California, Berkeley (USA) University of California, San Francisco (USA)
1962-1964	Resident Dr. George W. Thorn Dr. George Cahill	Medicine, Peter Bent Brigham Hospital Faculty of Medicine, Harvard University, Boston, U.S.A.
1960-1962	Research Fellow Dr. Jacques Genest and Dr. J.S.L. Browne	Clinical Research, Hôtel-Dieu Hospital, Montréal McGill University
1959-1960	Internship	University of Montréal Medical School Hospitals

FELLOWSHIPS

2002	Professor Emeritus	University of Montreal
2001	Honorary Member	Department of Medicine, CHUM
1999	Fellow	Molecular Medicine Society
1996	Fellow	American Association for Advancement of Sciences (AAAS)
1981	Fellow	Royal Society of Canada (FRSC)
1973	Fellow	Royal College of Physicians and Surgeons of Canada (FRCP)
1971	Fellow	American College of Physicians (FACP)

HONORARY DEGREES

2000	D.Sc (Honoris Causa)	Memorial University, Newfoundland
1999	D.Sc (Honoris Causa)	University of Guelph
1996	D.Sc (Honoris Causa)	Université Laurentienne de Sudbury, Ontario
1992	D.Sc. (Honoris Causa)	Université René Descartes, Paris
1980	D.Sc. (Honoris Causa)	Université de Liège, Belgique

POSITIONS HELD

2006-	Senior Scientist, Hormone, Growth and Development, Ottawa Health Research Institute
2001-2006	Director – Regional Protein Chemistry Centre and Diseases of Ageing Unit Ottawa Health Research Institute
2002-2005	Member of Biochemistry, Microbiology and Immunology Department, University of Ottawa
2002-2005	Member, Faculty of Graduate and Postdoctoral Studies, University of Ottawa
1998-	Full Professor, Department of Medicine, Faculty of Medicine, University of Ottawa
1970-	Adjunct Professor, Department of Medicine, Faculty of Medicine, McGill University, Montreal
1998-	Physician, Department of Endocrinology, The Ottawa Hospital
1998-2001	Scientific Director and Chief Executive Officer, Loeb Health Research Institute
1996-1999	Associate Member, Dept. of Medicine, Montreal Heart Institute
1994-1998	Holder of the EJLB Foundation Chair at Clinical Research Institute of Montreal (CRIM)
1984-1994	Scientific Director and Chief Executive Officer, (CRIM)
1978-1984	Chief of Endocrinology, Hôtel-Dieu Hospital, Montréal
1975-1999	Full Professor of Medicine, Faculty of Medicine, Université de Montréal
1969 -1999	Associate Member, Experimental Medicine, McGill University, Montréal
1967-1999	Director, Laboratory of Molecular Neuroendocrinology (CRIM)
1967-1999	Physician, Dept of Medicine and Endocrine Division, Hôtel-Dieu Hospital, Montréal

HONOURS AND AWARDS

He was the 7th most cited Canadian in world literature from 1981 to 1990.

- 2004 • Chevalier de l'Ordre de la Légion d'honneur from the French Republic
- 2003 • Medal from Lebanese University, Lebanon
- 2002 • Emeritus Professor Recognition, University of Montreal
- 2001 • Career Achievement Award from the Ottawa Life Sciences Council
- 2000 • Actualité médicale, Médecins de mérite
- 1999 • Henry Friesen Award, Royal College of Physicians and Surgeons
• PMAC Health Research Foundation Medal of Honour (now Canada's Research-Based Pharmaceutical Company) (Rx&D)
- 1996 • "Médaille du Mérite exceptionnel", Clinical Research Institute of Montreal
• Distinguished Service Award from the Canadian Society of Endocrinology and Metabolism
- 1995 • **Izaak Walton Killam Memorial Prize**
- 1994 • Officer, Ordre national du Québec
• Prix de l'Oeuvre Scientifique, Association des Médecins de Langue Française du Canada
• Award of Distinction, Manning Foundation
- 1993 • **McLaughlin Medal, Royal Society of Canada**
• Boehringer-Mannheim Award, Canadian Society of Biochemistry and Molecular Biology
• 150th Anniversary Medal, University of Montreal
- 1987 • President, National Study on AIDS (Royal Society of Canada)
- 1986 • Honorary Professor, Chinese Academy of Medical Sciences and Peking Union Medical College
• Officer, Order of Canada
• Medal of The Royal College of Physicians and Surgeons of Canada
- 1979-1980 • **Faculty Scholar, Josiah Macy Jr Foundation**
- 1978 • Queen Elizabeth's 25th Anniversary of Reign Medal awarded for research work on polypeptide hormones
• Archambault Medal, Association canadienne-française pour l'avancement des sciences (ACFAS)
• Marcel Piché Award, Clinical Research Institute of Montreal
- 1977 • **Award from the Clarke Institute of Psychiatry, Toronto**
• Michel Sarrazin Award, Club de Recherches Cliniques du Québec
- 1971 • Fundamental Research Award, Association des Médecins de Langue Française du Canada
- 1964-1966 • **Fellow of the Jane Coffin Childs Memorial Fund for Medical Research**
- 1955 • General Governor of Canada Award

SCIENTIFIC SOCIETIES

- American Association for the Advancement of Sciences (AAAS)
- American Chemical Society (ACS)
- American Clinical and Climatological Association (ACCA)
- American Federation for Clinical Research (AFCR)
- American Society for Biochemistry and Molecular Biology (ASBMB)
- American Society for Clinical Investigation (ASCI)
- Association of American Physicians (AAP)
- Canadian Biochemical Society and Molecular Biology
- Canadian Society for Clinical Investigation (CSCI)
- Canadian Society of Endocrinology and Metabolism (CSEM)
- Club de Recherches Cliniques du Québec
- Endocrine Society
- International Society of Neuroendocrinology
- New York Academy of Sciences
- Ontario Science and Innovation Council
- Peripatetic Club (USA)
- Sigma XI (McGill Chapter)
- Society for Neuroscience
- The Royal Society of Canada (RSC)

COMMITTEES AND BOARDS

[Allelix](#)

Member - Scientific and Medical Advisory Committee (1987-91)

[Biomega](#)

Member - Scientific Consultation Committee (1986-91)

[Canadian Biosciences Commercialization Institute](#)

Director (2002-)

[Canada Council for the Arts](#)

Member – Killam Selection Committee (1996-1999)

[Canadian Friends of Cambridge University](#)

Member, (1995-)

[Canadian Institute of Academic Medicine](#)

Founding Member (1990) and President (1992-93)

[Canadian Medical Hall of Fame](#)

Member - Selection Committee (1994-2004)

[Canadian National Committee](#)

Member (1984-1989)

President (1989)

[Canadian Society of Biochemistry and Molecular Biology](#)

Member of the Council (1981-86)

President (1983-84)

[Canadian Society for Clinical Investigation](#)

Président (1977-78)

[Canadian Society of Endocrinology and Metabolism](#)

President (1986-88)

[Centre for Catalysis Research and Innovation \(CCRI\)](#)

Member (2001-)

[Conference Board of Canada](#)

Vice Chairman, Executive Committee for the

Management of Innovation and Technology (1990)

Leaders Forum on Innovation (2000-2001)

[Constance-Lethbridge Foundation](#)

Member of the Board (2004-)

[Converzyme Inc.](#)

Member of the Board (1999-2003)

[Council for Canadian Unity](#)

Administrator (1993)

[EJLB Foundation](#)

Chair, Scientific Advisory Committee

Scholar Research Programme

[F,R,S,Q, \(Fonds de recherche en santé du Québec\)](#)

Member of Committee for National Researchers

[Gairdner Foundation](#)

Member, Medical Advisory Board (1984-91)

[Gangagen Life Sciences Inc.](#)

Chairman of the Board (2003-)

[Genome Québec.](#)

Member, Scientific Advisory Board, Proteomics and Cell Mapping, (2002-)

[Gordon Research Conferences](#)

Council member (1993-)

Founder and President of the inaugural conference on "Hormonal and Neural Peptide Biosynthesis" (1994)

[Human Frontier Science Program](#)

Member, International External Review Panel (1994-)

[International Consortium on Anti-Virals \(ICAV\)](#)

Co-founder and Member of the Board (2003-)

[Industry, Science and Technology](#)

Member - National Biotechnology Advisory Committee (1989-)

[Institut national de la santé et de la recherche médicale \(INSERM\) \(Pasteur\)](#)

Member of the Committee of Experts, Contamination of Prion, France-Hypophyse (2002-2003)

[Institute of Mental Health Research, Royal Ottawa Hospital](#)

Member, Scientific Research Advisory Board

[International Association for Women Bioscientists \(IAWB\)](#)

Member (1987)

[International Institute of Cellular and Molecular Pathology](#)

ICP (Belgium)

Member of the Scientific Council (1986-90)

Vice-president of the Scientific Council (1990)

[International Union of Biochemistry](#)

Member nominating committee (1988-1991)

[Loeb Health Research Institute of the Ottawa Civic Hospital](#)

Member of the Board of Directors (1998-2001)

Member of the External Scientific Advisory Committee (1990-1998)

[Medical Research Council of Canada](#)

Member of the Priority and Selection Committee (1971-77)

Member of the Scientist Award Committee (1984-86)

Member of the Strategic Plan Advisory Committee on Policy, Planning, Analysis and Evaluation (1993-1999)

[MDS Health Ventures Inc.](#)

Member of the Scientific Advisory Board, Neuroscience Partners Fund (1994-1997)

[Montréal Chamber of Commerce](#)

Member of the Biotechnology Committee (1986-90)

[Montreal Network for Pharmaco-Proteomics and Structural Genomics](#)

Member of the Scientific Advisory Board (2001-)

[National Cancer Institute of Canada](#)

Chairman Endocrinology Panel (1984-86)

Member of the Board of Directors (1971-88)

Member of the Advisory Committee on Research (ACOR) (1988-93)

Member of the Joint Committee on International Affairs (1986-88)

Member of the International Affairs Committee (1986-1989)

[National Diabetes Advisory Board Planning Committee](#)

Member of the Board (1987-)

[National Research Council of Canada: Biotechnology Research Institute](#)

Member - Governors Council (1984-90)

[National Science Organization Working Group \(Canadian Academies of Science\)](#)

Member (2000-)

[NeuroScience Network Center of Excellence](#)

Member of Management Committee (1994-1998)

[Ontario Science and Innovation Council](#)

Executive Council Member (2000-2003)

Member, Premier's Platinum Medal for Research Excellence sub-committee

Member, Research and Development sub-committee

[The Ottawa Hospital](#)

Member of the Board of the Foundation (1997-2001)

[PENCE \(Protein Engineering Network of Centres of Excellence\)](#)

Member, Board of Directors (1994-2006)

Member, International Research Advisory Committee (1999-2006)

[Royal Society of Canada](#)

Chair, Academy III Fellowship Allocation Review Committee (2004)

Vice-President of Academy of Sciences (1993-96)

Member, Life Sciences Division Fellowship Review committee (1990-1998)

New Fellows Committee (Academy III) (1986-87)

Chairman, National Study on AIDS (1987-88)

President, The McLaughlin Medal committee (1986-87)

Convener, Academy of Science (Academy III) (1985-87)

Member of the Board, Academy of Sciences (1984-86)

[UNESCO](#)

Member of the United Nations Scientific Advisory Board (1998-)

[University of Manitoba](#)

Member of the Distinguished Professor Selection Committee (1987-1990)

[University of Montreal, Faculty of Veterinary Medicine](#)

Member of the Board of the Institute of Biotechnology, Veterinary and Food (2002-)

[Weizmann Institute of Sciences](#)

Member of the Georges Charpak Exchange Fellowship Selection Committee (1995-1996)

Member of the Honorary Council of the Ottawa Chapter

[World Health through Science](#)

Chairman (2006)

EDITORSHIPS

-
- 2002-2005 • Associate Editor, Journal of Molecular Medicine
- 2001 • Genomics Reviewer, Molecular Endocrinology of The Endocrine Society journals
- 2001-2005 • Member, Editorial Board, Bioscience Reports
- 2000 • Member, Editorial Board, A Journal of Pharmacology and Therapeutics
- 1999 • Member, Editorial Board, Diabetes, Obesity and Metabolism
- 1987-2004 • Member, Editorial Board, Molecular and Cellular Biochemistry
- 1983 • Member, Editor, Bioscience Reports
- 1983 • Associate Editor, Biochemistry and Cell Biology
- 1983-1988 • Member, Editorial Board, Neuroendocrinology
- 1980 • Member, Editorial Board, Neuropeptides
- 1979-1984 • Member, Editorial Board, Annals of Internal Medicine
- 1977 • Member, Editorial Board, Clinical and Investigative Medicine

SCIENTIFIC PUBLICATIONS 561 as of September 2006, some in press

VISITING PROFESSORSHIPS OR LECTURERSHIPS

2006 [Invited Speaker](#)

-
- International Workshop on Discovery of Antiviral Compounds, Lubeck, Germany, 2006
- Conference on Statistics, Science and Public Policy, England, UK, 2006
- Ottawa Health Research Institute, Research Day, Brownsburg-Chatam, Quebec, 2006

2005 [Invited Speaker](#)

- Museum of Science and Technology, Le Fil d'Ariane de la biotechnologie, Ottawa, may 2005
- International Consortium on Anti-Virals, Paris, March 2005

2004 [Invited Speaker](#)

- The Ottawa Hospital, Department of Endocrinology, PCs – Endoproteolysis and Lipid Disorders, Dec. 2004
- Canadian Agri-Food Research Council, Proteomics, Ottawa Institute of Systems Biology, Ottawa, November 2004
- Congrès d'automne France-Canada, Recherche et politique(s) publique(s): L'expérience canadienne, Paris, octobre 2004
- Conférence REGPEP-Regulatory Propeptides processing in health and diseases, Consortium international sur les thérapies antivirales (CITAV), Toulouse, september 2004
- Ottawa Hospital, Department of Endocrinology, Physiologie, biochimie et désordres de l'axe hypothalamo-hypophysaire, september 2004
- Museum of Science and Technology, Past, Present and Future of Biotechnology, Ottawa, May 2004
- Conference on Statistics, Science and Public Policy, Health and Environment, Learning from Experience, United Kingdom, april 2004
- Diabetes-Lipid/Obesity Rounds, Proprotein Convertases And Diseases: SKI-1 and Sterol Biosynthesis, NARC and FH3, Convertases and SARS, TOH, January 2004
- Journal Club, Ottawa Health Research Institute, Diseases of Aging, "Protein Misfolding", Ottawa, January 2004

2003 [Invited Speaker](#)

- Journal Club, Ottawa Health Research Institute "SARS" Ottawa, October 2003
- Rideau Club, Canada-Korea Forum V "The Future of Biotechnology: Big Phrma vs SM Biotechnology Start-Ups", Ottawa, October 2003
- Lebanon Medical Center, Endocrinology, 'Endoproteolysis in Health and Diseases", Lebanon, September 2003
- American University of Beirut Medical Center, "Lessons to Learn from the SARS Epidemic", Lebanon, September 2003
- Lebanon Rotary Club, "Role of the Private Sector in Biotechnology, Therapeutic Novelties in the New Millenium (heart, brain, infections, obesity, diabetes and cancer), Lebanon, September 2003
- Ottawa Hospital, Obs. & Gyn. Grand Rounds, "Proprotein Cxonvertases in Developmental and Early Embryology" Ottawa, June, 2003
- Museum of Science and Technology, Past, Present and Future of Biotechnology, Ottawa, April 2003

- 2002 **Invited Speaker**
- BMI Seminar,, University of Ottawa, Ottawa, October 2002
 - Bionorth, Ottawa Life Sciences International Conference , Ottawa Congress Centre, Ottawa, October 2002 Ottawa Health Research Institute Journal Club, October 2002
 - Canadian Stroke Network AGM, Alberta, June 2002
 - Moderator, Department of Medicine Resident Research Day, Ottawa Hospital, Civic Campus, May 2002
 - St. Boniface Hospital Research Centre, Winnipeg, Manitoba, March 2002
 - Chair, Canadian Stroke Network Meeting, London, Ontario, February 2002 Diseases of Ageing Journal Club, , Ottawa, Ontario, January 2002
- 2001 **Invited Speaker**
- Management Committee-Business Development Office, University of Ottawa, Proteomics, November 2001
 - Commission mixte scientifique Canada-France, 11th session, Paris, France, October 2001 Carnegie Group (G8 Ministers of Science and Technology), 21st meeting, Montmagny, Québec, June 2001
 - Conference Statistics, Science and Public Policy, Main Speaker, Herstmonceux Castle, Hailsham, UK, April 2001
 - University of Ottawa, Faculty of Sciences, Annual Graduation Ceremonies, Ottawa, Ontario, March 2001
 - Presentation at the Swiss Institute of Bioinformatics, Geneva, January 2001
 - Presentation at the AstraZeneca International Symposium on Progress in Drug Discovery & Development Sciences, India, January 2001
 - Seminar, Central Experimental Farm, Ottawa, Ontario, February 2001
 - Dalhousie University, Distinguished Lectures in Medicine, Halifax, NS, March 2001
- 2000 **Invited Speaker**
- University of Ottawa, Students in biotechnology, January 2000
 - Actualité médicale, January 2000
 - Neurosciences Research Institute, January 2000
 - Conference Board of Canada, La Sapinière, (QC), February 2000
 - Diabetes/Lipid Rounds, June 2000
 - Merck-Frosst, Montreal (QC), June 2000
 - Organizer and Presenter at Protease Symposium, Château Montebello (QC), June 2000
 - Presentation at the University of Guelph
 - Presentation at Memorial University in Newfoundland
 - Presentation at the Canadian Club of Yamaska Valley
 - Presentation at the Institute of Molecular and Cell Biology, Singapore, October 2000
 - Presentation at the Tokyo University, October 2000
 - Presentation at the Club du Midi, November 2000
- 1999 **Invited Speaker**
- ÉLAS, theoretical exposés, labs, workshops and seminars, Faculty of Medicine UofO, June 1999
 - University of Guelph, Guelph, Ontario, June 1999
 - Friessen Award, Montreal, Quebec, september 1999
 - Max-Planck Institut fur Experimentelle EndoknologieBerlin, 1999
 - Royal College of Phys. & Surg. and Canadian Society of Clinical Investigation, Ottawa, Ontario
 - Medizinische Klinik m.S. Kardiologie Charité, Berlin

- 1998 **Invited Speaker**
- Ottawa Life Sciences Council, «The Loeb Research Institute: The Frontiers of Research, Ottawa
 - Gordon Research Conference, USA
 - Royal College of Physicians and Surgeons of Canada, Ottawa
- 1997 **Invited Speaker**
- Departments of Chemistry and Biochemistry, University of Arizona,
 - National Centre for Infertility, Massachusetts General Hospital
- 1996 **Invited Speaker**
- Mayo Clinic, Rochester, New-York
 - Institut de Cardiologie de Montréal,
 - Rockefeller University, New York
 - McGill University, Montréal
- Special lectures**
- 75th celebration of the Peking Union Medical Hospital, Beijing, China
 - 150th celebration of the Séminaire de Joliette
- 1995 **Co-Organizer and Speaker**
- Keystone Symposia on Processing Enzymes. Biochemistry, Genetics and Clinical Relevance. Lake Tahoe, CA.
- Invited Speaker**
- Max-Planck Institut für experimentelle endokrinologie, Germany
 - Universität Hamburg, Germany
 - IHF Institute for Hormone and Fertility Research, Germany
 - 12th International Symposium on Neurosecretion 1995, Germany
 - MDC Max-Delbrück Centrum, Germany
 - Stevenson Lecture at the University of Western Ontario, Ontario
- 1994 **Distinguished Scientist Lecturer**
- University of Winnipeg, Dept of Physiology. Winnipeg, Manitoba
- Invited Speaker**
- AFCR/ASCI/AAP (American Federation for Clinical Research/American Society for Clinical Investigation/Association of American Physicians) Meeting. Baltimore, Maryland
 - Department of Biochemistry, University of Toronto. Toronto, Ontario
 - Astra Research Institute, Bangalore, India
 - Indian Institute of Science, Bangalore, India
 - St. Paul's Hospital, Vancouver
- Greenblatt Lecturer**
- Medicine/Civic Ottawa Hospital, University of Ottawa. Ottawa, Ontario
- Chairperson**
- First Gordon Research Conference Plymouth, New Hampshire
- 1993 **Invited speaker**
- University of Miami School of Medicine. Miami, Florida
 - Sandoz speaker, Canadian Society of Endocrinology and Metabolism. Vancouver, B.C.
 - Oxford Int. Biomedical Center. Toronto, Ontario

- 1992 **Fuller Albright Lecturer**
- Peripatetic Club. Montréal, Québec
 - Industry, Science and Technology Canada, NRC. - International Industrial Biotechnology Conference.
- Chairperson and Speaker**
- Symposium, 6th Federation of Asian and Oceanian Biochemists. Shanghai, China
- 1991 **Invited Speaker**
- Pharmaceutical Marketing Club of Quebec, "Commentaires d'un citoyen sur l'industrie pharmaceutique canadienne" Pierrefonds, Québec
 - Symposium sur la santé et la sécurité au travail en biotechnologie. Montréal
 - Symposium on Biochemical Separation Science, in honour of Dr. Jerker Porath. Uppsala, Sweden
 - Seminar at Karolinska Institutet. Stockholm, Sweden
 - 60th Annual Meeting, Royal College of Physicians and Surgeons of Canada/Canadian Society for Clinical Investigation. Symposium on the Future of Academic Medicine in Canada. Quebec City, Québec
 - International symposium Biotechnologies and environment: For a sustainable development Université de Montréal, Québec
 - 77th Annual General Meeting, Pharmaceutical Manufacturers Association of Canada. Plenary Session: Montréal, Québec
- 1990 **Invited Speaker**
- Faculté de Médecine, Université Libre de Bruxelles. Bruxelles, Belgique
 - Second International Congress of Neuroendocrinology, Bordeaux. France
 - Jeremiah Metzger, 103rd Meeting of the American Clinical and Climatological Association. Hot Springs, Virginia
 - Canadian Centre for Philanthropy. Toronto, Ontario
 - Fourth DPHM-INSERM Conference. Paris, France
 - Workshop on Academic Research in the Province of Québec. Montréal
- 1989 **Invited Speaker**
- Royal Victoria Hospital, Montréal
 - International Narcotic Research Conference, Ste-Adèle, Québec
 - First Distinguished Lecturer, Canadian Institute of Academic Medicine, Edmonton, Alberta
- 1988 **Invited Speaker**
- Department of Pharmacology, McGill University, Montréal
 - Department of Pharmacology, Université de Montréal
 - 11th Annual Meeting of the Canadian College of Neuropsychopharmacology, Montréal
 - Hôtel-Dieu de Montréal
 - International Symposium on Biologically Active Proteins and Peptides, Taipei, Taiwan
 - Symposium: "L'Industrie pharmaceutique: une priorité pour le Québec", Toronto
 - Faculty of Sciences, University of Ottawa
- Invited guest**
- National Conference on Technology and Innovative, Toronto
 - Regional Conference on Technology and Innovation, Montréal
- Visiting professorship**
- Endocrinology, St-Joseph Hospital, University Hospital; Victoria Hospital, London, Ontario

- 1987 **Invited Speaker**
- University of Toronto Institute of Medical Science, Ontario
 - Weekly conference of l'Académie Française des Sciences
 - Université de Montpellier
 - Université de Bordeaux
 - Institut Pasteur
- Honorary co-president**
- Vth Congress of the Pan American Association of Biological Science (PAABS) Winnipeg, Manitoba.
- 1986 **Invited Speaker**
- "Endorphins: Assays and Physiological Significance Workshop", Liège
 - International Institute of Cellular and Molecular Pathology, Bruxelles
 - Hans Seyle Symposium, Montréal
- Main lecturer**
- Royal College of Physicians and Surgeons in Toronto..
- Conference Tour**
- Chinese Academy of Medical Sciences (Shanghai, Beijing)
- 1985 **Invited Speaker**
- Neuroscience Seminar, Hughlings Jackson Amphitheatre, Montréal Neurological Institute, Montréal
 - Symposium on "Biotechnological Advances in the Diagnosis and Treatment of Psychiatric Disorders", Loews Westbury Hotel, Toronto, Ontario
 - Department of Biochemistry, Queen's University, Kingston, Ontario
 - Department of Psychobiology, University of California at Irvine
 - Department of Pharmacology, Utrecht, Holland
 - Royal Society of Canada, Montréal
 - MRC 25th Anniversary celebration, Winnipeg, Manitoba
 - Vth Symposium of the Federation of Asian and Oceanian Biochemists, University of Hawaii at Manoa, Honolulu Hawaii
- President of the Organizing Committee and Speaker**
- "The Future of Molecular Medicine and Clinical Research" an International Symposium in honor of Dr. Jacques Genest, Esterel, Quebec
- 1984 **Invited Speaker**
- Hôpital Notre-Dame, Montréal
 - Department of Hematology, Hôtel-Dieu Hospital, Montréal
 - Second International Conference of Human Tumor Markers, Vienna, Austria
 - Biochemical Society of South Africa, Johannesburg
 - Department of Biochemistry, Port Elizabeth University, South Africa
 - Faculty of Medicine, University of Stellenbosch, South Africa
 - Faculty of Medicine, University of Cape Town, South Africa
 - Department of Biochemistry, Natal University South Africa
 - University of Pretoria, South Africa
 - University of Medunsa, South Africa
 - Onderstepoort Veterianary School, South Africa
 - Johannesburg Medical School, South Africa
 - Grand Rounds on the biosynthesis of brain and pituitary peptides, Royal Victoria Hospital, Montréal

- 1983 [Invited Speaker](#)
- Fifth International Conference of Macromolecular Synthesis, Hamburg, Germany
 - Department of Physiology, University of Western Ontario, London, Ontario
 - Medical Grand Rounds, Section of Endocrinology and Metabolism, The University of Manitoba, Winnipeg, Manitoba
 - Lady Davis Institute, Montréal
 - "Symposium sur la douleur", Département des Sciences Neurologiques, Hôpital de l'Enfant-Jésus, Québec
 - International Workshop on Hypothalamic Factors of the 9th Meeting of the Society for Neurochemistry, Vancouver
 - First International Meeting of the Italian Society of Endocrinology. Recent Progress in Opioid Research, Viareggio
 - 75th Anniversary Celebrations of the Department of Biochemistry, University of Toronto
 - 96th Meeting of American Clinical & Climatological Ass., Southampton, Bermuda
 - Department of Physiology, McGill University
 - "Journée consacrée à la Douleur", Montréal Neur. Institute
- [Distinguished Scientist Lecturer](#)
- Department of Physiology, The University of Manitoba, Winnipeg
- 1982 [Invited Speaker](#)
- Department of Biochemistry, University of Ottawa
 - International Institute of Cellular and Molecular Pathology, Brussels, Belgium
 - "Institut Canadien de Chimie" Annual Meeting, Montréal
 - Harvard School of Medicine, Boston, USA
 - Addiction Research Foundation, Toronto
 - Unité CNRS (Centre de Pharmacologie-Endocrinologie), Montpellier, France
 - Hôpital Debrousse, Lyon, France
 - Hôpital Cantonal, Genève, Suisse
 - SPECIA, Paris, France
 - Centre de Recherche Delalande, Rueil-Malmaison, France
 - Faculté de Pharmacie, Université René Descartes, Paris, France
 - Interdisciplinary Endocrine Research Seminar Series, McGill University
 - Department of Neurology and Neurosurgery, McGill University
 - Montréal Neurological Hospital
 - Montréal Physiological Society
 - Department of Biochemistry, McGill University
 - Dalhousie University, Halifax, N.S.
- [Invited Speaker and Session Chairman](#)
- INSERM Conferences on Synthesis and Release of Peptide Hormones, Seillac, France
- [Lecturer](#)
- 14th Miami Winter Symposium, USA
- [Special lecturer](#)
- "Colloque International sur l'Ontogénèse des Systèmes Endocriniens", Lyon, France
- [Chairman of a round-table and guest lecturer](#)
- "3^{ème} Réunion du Groupe Français des Peptides", Chamérolles, France
- 1981 [President](#)
- Symposium on Biomedical Research Economics, Mt-Tremblant, Québec

- 1980 **Invited Speaker**
- Annual Meeting of the "Club de Recherches Cliniques du Québec", La Malbaie, Québec
 - Annual Meeting of the Canadian Society for Clinical Investigation, Ottawa, Ontario
 - Annual Meeting of Canadians for Health Research, Ottawa, Ontario
 - Department of Genetics, Stanford University, Stanford, California
 - Hormone Research Laboratory, University of California in San Francisco, USA
 - University of Louvain, Brussels
 - Conference on Protein Biosynthesis, Hamburg, Germany
 - "Groupe Hospitalier Pitié-Salpêtrière, Paris
 - Cochin Hospital, Paris
 - SPECIA, Paris
 - "Université Pierre et Marie Curie", Paris, France
- Lecturer**
- "Cancer Control Agency of British Columbia", Vancouver, B.C.
 - Department of Medicine, University of Toronto, Ontario
 - McMaster University, Hamilton, Ontario
- Special Lecturer**
- "La Journée de Médecine du Millénaire", Liège, Belgique
- 1979 **Invited Speaker**
- University of Winnipeg, Manitoba
 - People's Republic of China by the Academy of Medicine of China and the Ministry of Health
 - University of Canton, China
 - University of Shanghai, China
 - University of Soochow, China
 - University of Hanchow, China
 - University of Tientsin, China
 - University of Peking, China
 - Synthélabo, Paris, France
 - Department of Psychiatry, Cochin Hospital, Paris
 - Laboratoire d'Etudes et Recherches Scientifiques de Paris, France
 - Pasteur Institute, Paris, France
 - Neuroendocrinology Unit, INSERM, Paris, France
 - Department of Psychiatry, Ste. Anne Hospital, Paris, France
 - Annual meeting of the Endocrine Society of Hungary
 - Research Institute for Pharmaceutical Chemistry, Budapest, Hungary
 - Department of Physiology, University of Louvain in Brussels, Belgium
 - Symposium on Regulation and Function of Neural Peptides, Brescia, Italy
 - Ferring Symposium on Brain Pituitary Peptides, Munich, Germany
- President and Organizer**
- Workshop at the XIIth ACTA Endocrinologica Congress, Munich, Germany
- President of Session, Organizer and Guest Speaker**
- "Workshop on Clinical Psychoneuroendocrinology", Liege, Belgium
- 1978 **Invited Speaker**
- Université René Descartes, Paris, France
 - Annual Meeting of the Association of the Anaesthetists of Quebec, Montréal
 - Centre national de la recherche scientifique, Gif-sur-Yvette, France
 - Department of Physiology, University of Toronto, Ontario
 - International Symposium on Brain Peptides - The New Endocrinology, organized by the Princess

- Lilian Cardiology Foundation, Brussels, Belgium
 - International Narcotic Conferences, Holland
 - Special Lecturer**
 - Enseignement inter-universitaire avancé d'Endocrinologie Clinique, Brussels, Belgique
- 1977 **Invited Speaker**
- Annual Meeting, Canadian Society for Clinical Investigation, Toronto, Ontario
 - Symposium on releasing factors organized by the Academy of Medical Sciences of Switzerland, Geneva
 - Department of medicine, ULM University, Germany
 - Department of physiology, University of Louvain in Brussels, Belgium
- Co President and Guest Speaker**
- 41^{ème} Congrès Français de Médecine, Paris, France
- Lecturer**
- Canadians for Health Research, Ottawa, Ontario
- Michel Sarrazin Lecturer, Club de Recherches Cliniques du Québec
- 1976 **Invited Speaker**
- Hôpital Trousseau, Paris, France
 - Medical Pathology Dept. of the Faculty of Med. of Sevilla, Spain
 - New York Academy of Sciences, New York
- 1975 **Invited Speaker**
- University of Nancy
 - 4th Symposium on Peptide Hormones
- 1974 **Invited Speaker**
- Centre national de la recherche scientifique, Gif-sur-Yvette, France
- 1973 **Invited Speaker**
- XXIIe Réunion des Endocrinologistes de langue française, C.H.U. Pitié-Salpêtrière, Paris
 - Tchechoslovakian Society of Endocrinology, Prague, Tchécoslovaquie
 - "Journées médicales d'endocrinologie", Université Laval, Québec
 - American University of Beyrouth, Liban
 - Barbir Medical Center, Beyrouth, Liban
 - Hôpital de la Quarantaine, Beyrouth, Liban
 - St. George Hospital, Beyrouth, Liban
 - Faculté française de médecine, Beyrouth, Liban
 - Symposium on Advances in Endocrinology and Metabolism, at the 23rd Middle East Medical Assembly, Beyrouth, Liban
 - Gordon Research Conferences, New Hampshire
 - New York Academy of Sciences, New York, USA
- 1972 **Invited Speaker**
- XIIIe congrès médical international des pays de langue française de l'hémisphère américain, Martinique
 - IIIrd American Peptide Symposium, Boston
 - Hôpital Cochin, Paris, France
- 1970 **Invited Speaker**
- Société Radio-Canada, Montréal, Québec, Canada

- L'Association des médecins de langue française du Canada
- Norwegian Society of Endocrinology, Oslo
- Collège de France, Paris
- Unité des protéines de l'INSERM, Lille, France
- Royal College of Physicians and Surgeons of Canada, Ottawa, Ontario, Canada

Lecturer

- Club Kiwanis de Joliette

1969 **Invited Speaker**

- Department of Biochemistry, Queen's University, Kingston, Ontario
- L'Ordre des pharmaciens de Trois-Rivières
- Hormone Research Laboratory, San Francisco

Lecturer

- University of Manitoba
- Annual Meeting, Club de Recherches Cliniques du Québec, Montebello
- Canadian Federation of Biological Societies, Edmonton

1968 **Invited Speaker**

- Merck Frosst Laboratories

Lecturer

- Club Richelieu de Louiseville
- Société médicale de Montréal

1967 **Invited Speaker**

- Post-Graduate Course, Endocrine Society, Montréal
- Internal Symposium on the Pharmacology of Hormonal Polypeptides and Proteins, Milano, Italy
- Symposium on Obesity, San Francisco

Lecturer

- Annual Meeting, "Club de Recherches Cliniques du Québec
- Annual Meeting, Canadian Society for Clinical Investigation

1963 **Lecturer**

- Metabolic Unit, Peter Bent Brigham Hospital, Boston

1962 **Lecturer**

- Annual Meeting, Canadian Society for Clinical Investigation, Toronto

1961 **Lecturer**

- Annual Meeting, Club de Recherches Cliniques du Québec Montebello
- McGill University

1960 **Lecturer**

P.I.C. Club, Shawinigan

SABBATICAL

1979

July-December

Department of Pharmacology (Dr. Leslie Iversen), Cambridge University, England

1980

January-July

Laboratory of Neuroendocrinology with Dr. Roger Guillemin and Dr. Floyd Bloom at the Salk Institute of San Diego, California